

Introduction of the Hungarian Flood Risk Mapping Project

V4 meeting Budapest
16-17. November 2009.

The Environment and Energy OP KEOP

**In the frame of the good practice
of flood management**

**„Making of Flood risk maps
and
Strategic risk management plans“
(KEOP-2.5.0.B)**

Goals

- How to fulfil the requirements of the **DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE ASSESSMENT AND MANAGEMENT OF FLOOD RISKS 2007/60/EC.**

(This Directive as the Water Framework Directive should be tackled in the whole Danube river basin with the help of the ICPDR and it's common decisions)

- Revision of the Hungarian flood management strategy among the changing economical and social demands

The main outcomes (EU requirements)

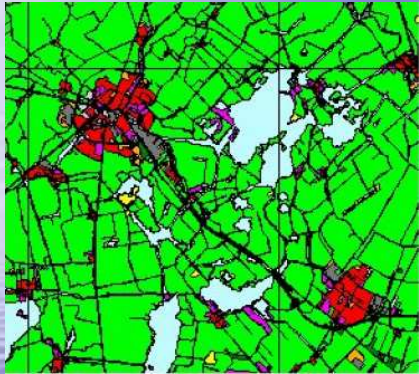
- Preliminary flood risk assessment
- Flood hazard maps
- Flood risk maps
- Flood management plans

Outcomes by side (Hungarian goals)

- Training plans for the large watercourses (Hydrological corridor)
- Modernisation of the plans for flood defence works
- Top up the flood management database of the water management database
- Development of the control system of the flood risk management in Hungary

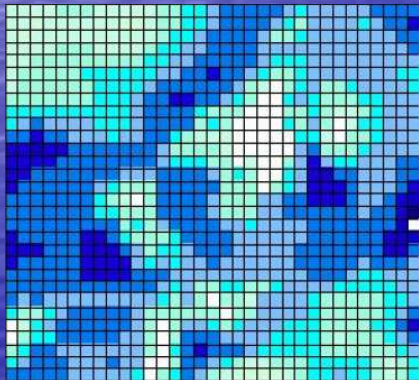
Only for remember

Exposure



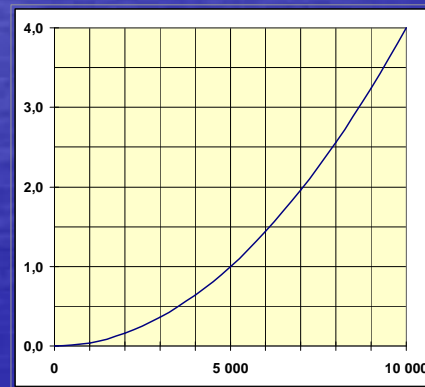
Land use

Hazard



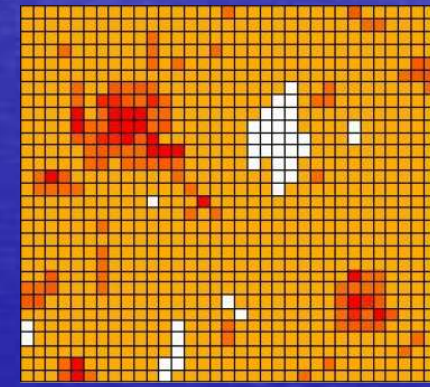
Depth of inundations

Impact



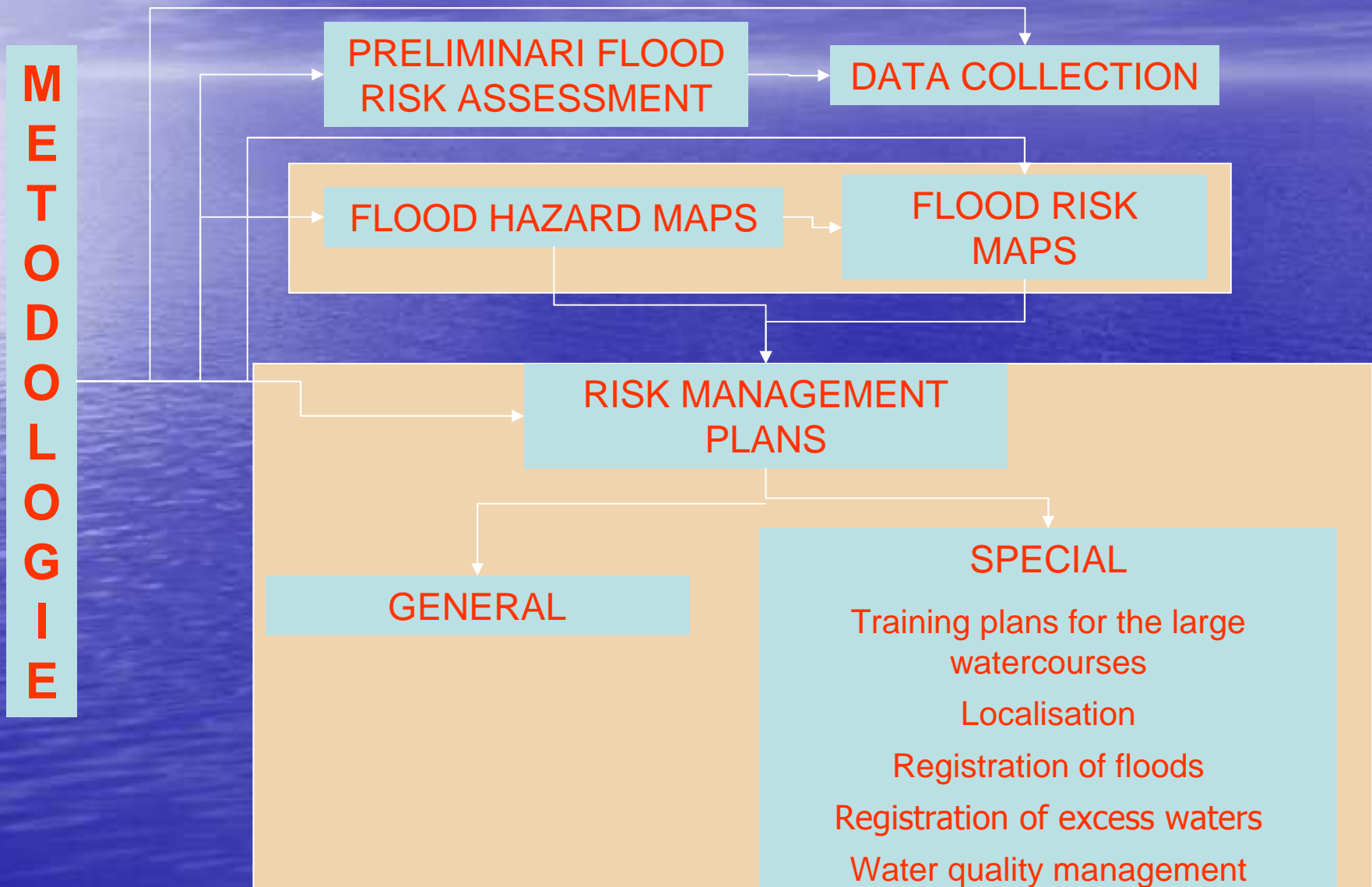
Damage potential

Risk



Damage

Connection between the project parts



The steps of realisation

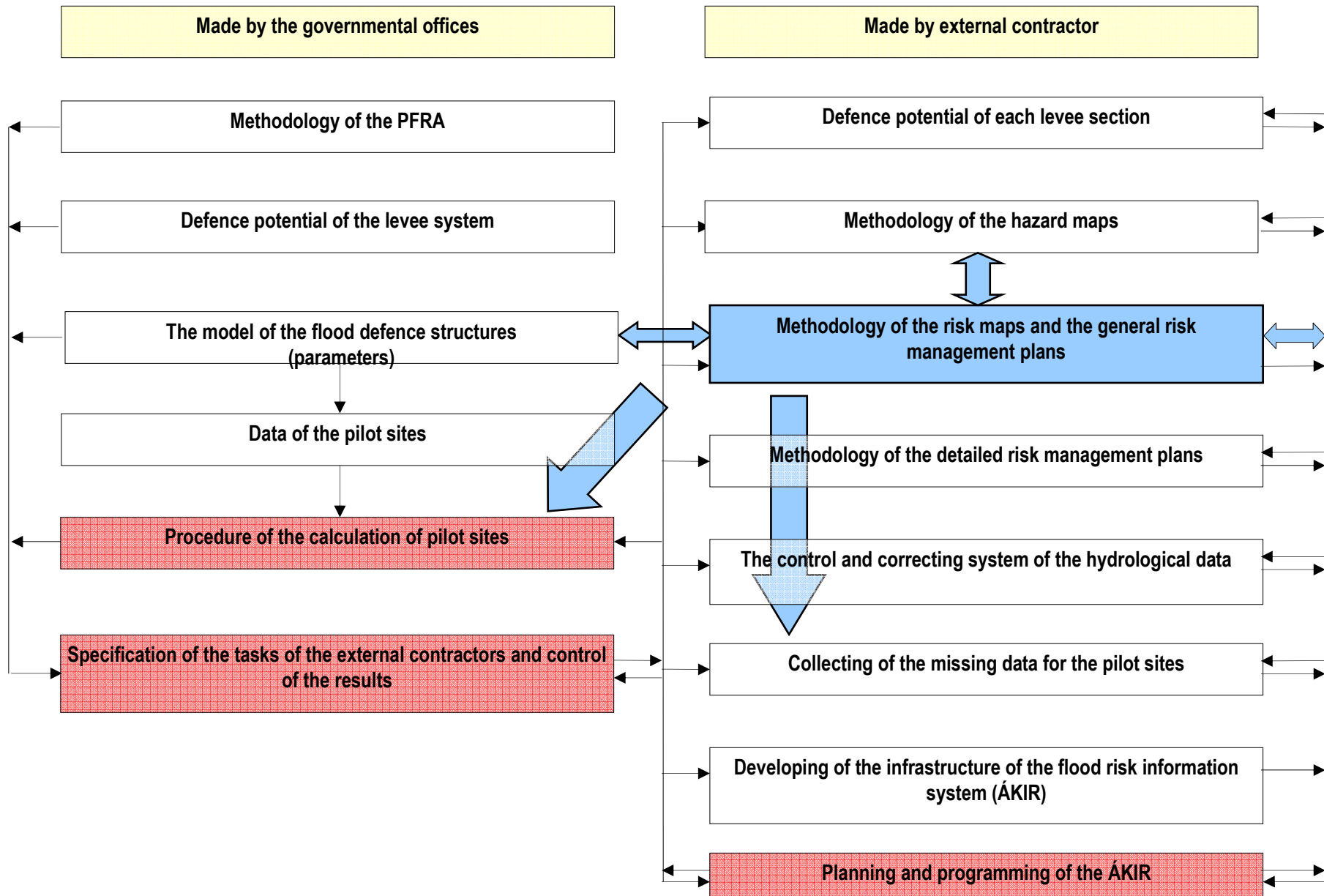
- Methodologies
- IT infrastructure
- Preliminary localisation of the flood risk
- Data collection
- Flood hazard maps
- Flood risk maps
- Training plans for the large watercourses
- Modernisation of other hazard and risk maps
- Flood risk management plans

The main elements of the methodologies

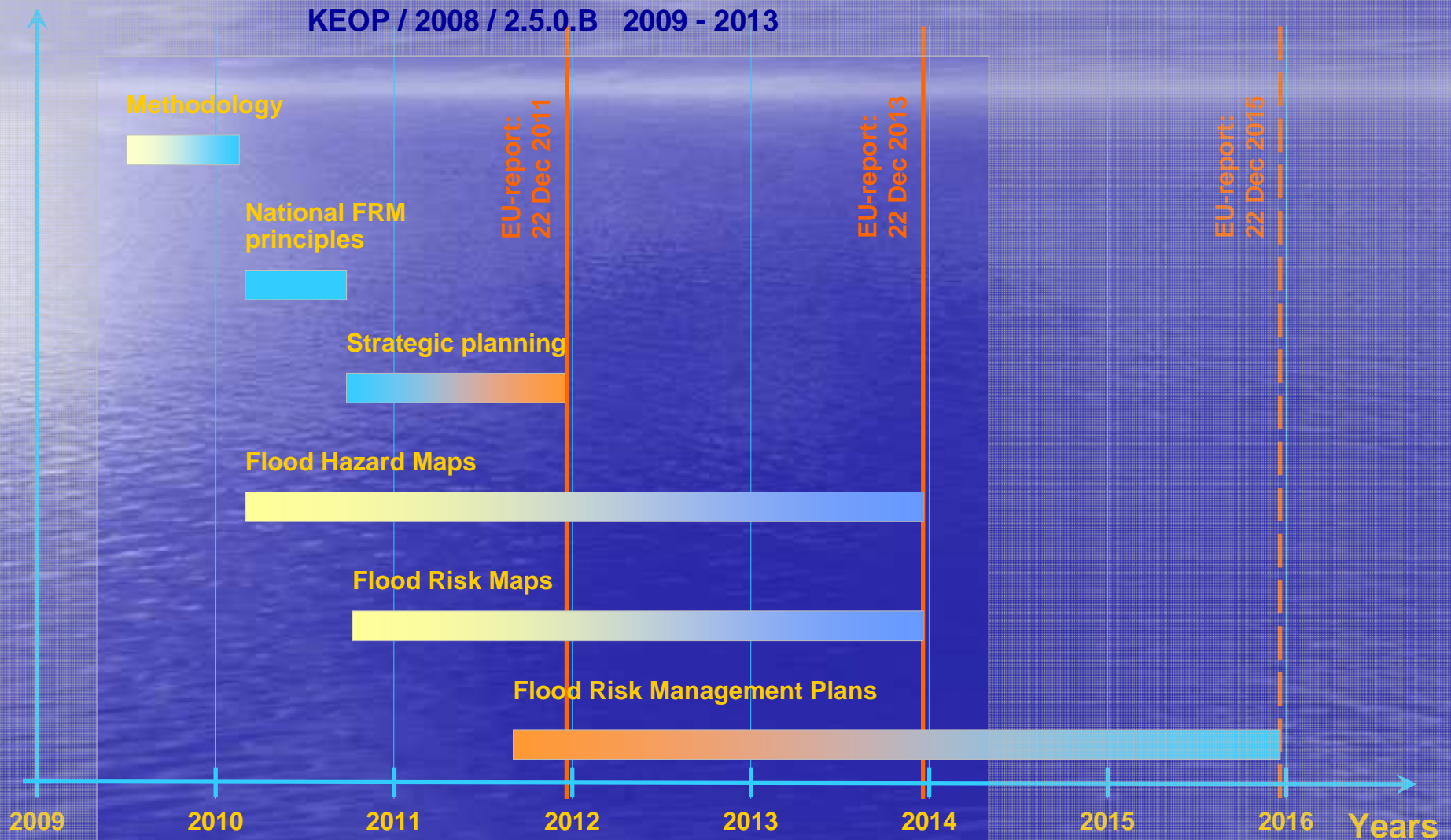
- Methodology of the preliminary flood risk assessment (the localisation of the risky areas)
- The procedure of the preparation of the flood hazard maps
- Methodology of digital flood hazard maps
- The procedure of the preparation of the flood risk maps
- Methodology of digital flood risk maps
- Methodology of the strategic flood risk management planning

At all methodological element should decide the necessary data and their accuracy, the proposed technology, the time and cost consumption.


Connections between the subprojects



Time schedule of FRM Planning



KEOP / 2008 / 2.5.0.B 2009 - 2013



We are now in the phase of the finalising the methodologies – we show you now our results in the following presentations